

CLAIMS

Amendments to the Claims

The following listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently amended) A method for identifying a therapeutic compound for the treatment of Alzheimer's disease comprising:
 - a) providing at least one mammalian cell expressing a Src protein;
 - b) introducing amyloid precursor protein (APP) to said mammalian cell;
 - c) introducing a candidate compound to said mammalian cell;
 - d) measuring A-beta production ~~the phosphorylation activity of said Src protein in response to said candidate compound;~~
 - e) comparing said production activity in said mammalian cell with a mammalian cell expressing Src protein and APP without said candidate compound; and
 - f) identifying said candidate compound which increases production of A-beta ~~decreases said Src phosphorylation activity as a~~ the therapeutic compound for the treatment of Alzheimer's disease.
- 2 – 5 (canceled)
6. (Previously presented) The method according to Claim 1, wherein said Src protein is selected from the group consisting of: human Src and mouse Src.
7. (Previously presented) The method according to Claim 1, wherein said Src protein comprises an amino acid sequence selected from the group consisting of: SEQ ID NO:1, SEQ ID NO:2, and SEQ ID NO:3.
8. (canceled)
- 9 (Previously presented) The method according to Claim 1, wherein said mammalian cell is a primary cell culture of neurons.

10 - 15 (canceled)

16. (New) A method for identifying inhibitors of Src activity comprising:
- a) providing a Src protein using a Src encoding DNA under control of an expression element;
 - b) exposing a candidate inhibitor of Src; and
 - c) determining if the compound inhibits activity of Src.